

Friday, February 21, 2020

Attn: Mr. Keith Gammell Barnhardt Mfg. Co. 247 Main Rd P.O. Box 3 Colrain, MA 01340

Project ID: NPDES BI-MONTHLY

SDG ID: GCF34299 Sample ID#s: CF34299

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 UT Lab Registration #CT00007 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

February 21, 2020

SDG I.D.: GCF34299

Project ID: NPDES BI-MONTHLY

Client Id	Lab Id	Matrix
EFFLUENT	CF34299	WASTE WATER



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Analysis Report

February 21, 2020

FOR: Attn: Mr. Keith Gammell

Barnhardt Mfg. Co.

247 Main Rd P.O. Box 3

Colrain, MA 01340

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:02/19/207:00Location Code:BARNHARDReceived by:CP02/19/2015:36

_aboratory Data

Rush Request: Standard Analyzed by: see "By" below

P.O.#: G11301

SDG ID: GCF34299

Phoenix ID: CF34299

Project ID: NPDES BI-MONTHLY

Client ID: EFFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Ammonia as Nitrogen	< 0.25	0.25	mg/L	5	02/21/20	KDB	E350.1
Nitrite-N	0.105	0.010	mg/L	1	02/19/20 17:55	TB	E353.2
Nitrate-N	< 0.02	0.02	mg/L	1	02/19/20 17:55	TB	E353.2
Nitrogen Tot Kjeldahl	8.20	0.50	mg/L	5	02/21/20	KDB	E351.1
Total Nitrogen	8.31	0.10	mg/L	1	02/21/20	KDB	SM4500NH3/E300.0-11

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

February 21, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



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QA/QC Report

February 21, 2020

QA/QC Data

SDG I.D.: GCF34299

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 519148 (mg/L), QC Sample No: CF34166 (CF34299)													
Nitrate-N	BRL	0.02	0.29	0.30	3.40	99.4			97.0			90 - 110	20
Nitrite-N	BRL	0.01	0.211	0.21	0.50	98.4			100			90 - 110	20
QA/QC Batch 519283 (mg/L),	QC Samp	ole No:	CF34367	(CF342	99)								
Ammonia as Nitrogen	BRL	0.05	0.07	0.06	NC	103			101			90 - 110	20
Nitrogen Tot Kjeldahl	BRL	0.10	0.47	0.53	NC	92.9			97.9			85 - 115	20
Comment:													
TKN is reported as Organic Nitr	ogen in the	Blank, L	.CS, DUP a	and MS.									

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

February 21, 2020

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Sample Criteria Exceedances Report GCF34299 - BARNHARD

Criteria: None State: MA

RL Analysis SampNo Acode Phoenix Analyte Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

^{***} No Data to Display ***



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Analysis Comments

February 21, 2020 SDG I.D.: GCF34299

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

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Coolant: IPK C ICE NO	Temp 🚺 ? 🗘 Pg of	<u>Data Delivery/Contact Options:</u>	Phone: 413-624-3471 x 372-2 Email: 14-144. gon mell & bonhard	Project P.O. 6-11301	This section MIST ha	completed with	Bottle Quantities.		those to sky	**************************************	Sugar Car	*	*					Data Format		MWRA eSMART PDF	□ EQUIS	S-1 GW-2 B-1 GW-3 Data Package	S-2 GW-2 S-2 GW-3 Tier II Checklist		MA .s
	RECORD		 	Water - 181	aminel)	Drend.				Total State	10 10 10 10 10 10 10 10 10 10 10 10 10 1							CT MA	☐ RCP Cert ☐ MCP Certific	GW Protection		GA Mobility S-1 GW-1	GB Mobility S-2 GW-1		State where samples were collected:
Average de la companya de la company	CHAIN OF CUSTODY RECORD	East Middle Turnpike, P.O. Box 370, Manchester, CT 06040	Email: info@phoenixlabs.com Fax (860) 64 Client Services (860) 645-8726	Project: NADE	Report to: Kerth		QUOTE#	\&\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Analysis	SA CAN PROPERTY OF THE PROPERT	TV.							Time: RI	ω バイン □ (Residential)	16.2h] []	Turnaround Time:	sy* GB Leachability	3 Days* GA-GW Standard Objectives	Other Objectives
		587 East				0340		tification	Date: 2-14-20	Vater WW =Waste Water ⊫Solid W =Wipe OIL =Oil	nple Date Time	92-61-2	7 2-19-20 700					Date:	2-19-20	646 X	P	Turnarou	1 Day*	3 Days*	Other * SURCHA
			Environmental Laboratories, Inc.	Panhardt	247 man Rd	She		Client Sample - Information - Identification	K	Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe OIL=O B=Bulk L=Liquid X =(Other)	Customer Sample Sample Identification Matrix		Epelvent www					Accepted by:				Comments, Special Requirements or Regulations:			
			Environme	Customer:	Address:		, ·		Sampler's Signature	Matrix Code: DW=Drinking Water RW=Raw Water SE B=Bulk L=Liquid X	PHOENIX USE ONLY SAMPLE #	34299						Relinquished by:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1)	Comments, Special			